Islands in the Stream Expedition 2001 Field Season

The Point 9/20/2001

North Carolina Shelf: The Point, Steeples and Lophelia Banks, Islands in the Stream

Dive Summary

Overview of Dive JSL2-4358 at The Point

Phil Santos piloted this dive with aft technician Frank Lombardo at the site known as The Point (35.51719 / -73.21660) on 9/20/2001 starting at 9:40:42. Total dive time was 3:29:18 and the maximum depth reached was 2897 feet. Scientific observers were Steve Ross and John Caruso. (All times EST)

Dive Objectives. Objectives accomplished during the dive include:

Fich Accessment

Transect(s)
Filming
Sample Collection

Data Collected. Types of data collected during the dive include:

Sediment Samples	2	4 of 6 core samples failed.
CTD/Data Sonde	1	
Digital Video Tapes	1	No other samples collected due to
Digital Video Tapes	1	No other samples collected due to

Living Marine Resources Abundance

few 2-10; many 11 - 100; abundant >100

Pelagic Fish	Many	Other Benthic
Bottom Fish	Many	none
Crustacean	Abundant	
Mollusk	Few	
Echinoderm	Few	

Observations and Comments on Living Marine Resources:

General Comments

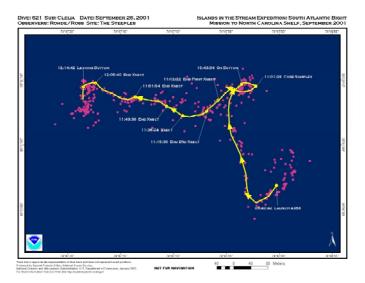
None.



Prepared by :
National Oceanic and Atmospheric Administration

Dive Track Description

Whole dive was on steep(30-60 degree) slopes. Sub ran repetitive transects(back to back) up center of knife like ridge. Made a few stops to collect sediments and conduct "still" video. Ridge and valley system is compose of consolidated soft sediments. Very low visibility due to dense nepheloid layer. Typical fish assemblage for this area and depth. Relief of features observed during the dive ranged from to >10 meters.



Observed Human Activities

Recreational Fishing

Shipping

Observed Human Impacts

None Observed.

Overall Dive Site Ratings

1 = low; 10 = high

Uniqueness	8	
Health	10	
Disturbance	1	
Biodiversity	3	

Observed Fish Abundance

Nezumia bairdii

few 2-10; many 11 - 100; abundant >100
Glypocephalus cynglossus Many
Laemonema barbatula Single
Lycenchelys verrillii Many
Lycodes atlanticus Few

Many